SmartPlant Foundation QCS

Location: Saudi Arabia

Summary

Yanbu National Petrochemical Company (YANSAB), is engaged in the manufacturing of petrochemical products (ethylene, ethylene glycol, high density polyethylene, low linear density polyethylene, polypropylene, butene 1, butene 2, MTBE and BTX). YANSAB was looking for a solution to bulk load the metadata & relationship data from an Excel format to SmartPlant Foundation. The solution was intended for publishing those engineering drawings/documents and vendor drawings/documents which had not originated from SmartPlant tools or could not be published from SmartPlant tools.

Details of Rolta's solution

- Developing a Quality Checking System (QCS) utility, which acted as a powerful tool to load metadata, relationship data and files to SPF
- This utility was also used for the QC/QA of metadata and relationship data provided by several engineering contractors
- Building in all validation rules in this utility to ensure a proper identification of data handover issues by various engineering contractors

Rolta also provided support for the installation of the QCS utility on site location, and the assistance provided for software upgrades was released during the project execution. After a stringent QC/QA, generated Load Files and generated Error Excel reports were also delivered.

Impact

Bulk loading data into SPF can be a tedious, time consuming and error prone job. By this user interface, YANSAB can easily bulk load metadata into SPF and produce large quantities of engineering deliverables much faster.

About Rolta

At Rolta, we envision a better future, and then design technology to create that future. Our innovative IT solutions span various verticals, including Utilities, Transportation, Process, Power, Banking and Insurance. Through our cutting edge software for mapping and earth sciences, we also provide a complete array of solutions for Defense and Homeland Security, including C4ISTAR information systems, Military Communications, Digital Soldier and Vehicle Systems. Our team diligently works to exceed our customers' expectations, and has successfully executed strategic projects in over 40 countries.